

ACTIVITY	PERSON AT RISK	SIGNIFICANT HAZARDS	RISK*			RISK CONTROL MEASURES	RESIDUAL RISK**		
			P	S	DR		P	S	DR
Maintenance of angle grinders/cutters	Workshop staff and mechanics	Failure to keep grinders/cutters well maintained may lead to safety features not working	4	4	16	<ul style="list-style-type: none"> All angle grinders and cutters to be checked before use. Any equipment with damaged guards, flexes etc. not to be used, should be taken out of service and labelled for repair. All electrically operated tools to have a test label fitted and to be regularly tested. A register to be maintained of all grinders/cutters including their maintenance schedule. 	3	2	6
Use of grinders/cutters (general)	As above	Failure to use grinders and cutters with the correct type of disc may lead to discs shattering and causing cuts etc.	4	4	16	<ul style="list-style-type: none"> Staff to be trained in the characteristics of each type of disc and their purpose. All work to be assessed and the correct type of cutting or grinding disc to be used. Grinding discs not to be used for cutting procedures. 	3	2	6
Use of grinders/cutters (general)	As above	Failure to keep guards in place when using grinder/cutter may lead to injuries if the disc shatters	4	4	16	<ul style="list-style-type: none"> All users to be trained to be aware of the importance of ensuring all guards are in place. All users to wear eye protection to prevent damage to eyes from broken discs. 	3	2	6
Use of grinders/cutters (general)	As above	Worn equipment may lead to excessive vibration which may cause injuries	3	3	9	<ul style="list-style-type: none"> Only equipment with a low level of vibration to be purchased. All equipment to be regularly assessed and maintained to reduce vibration levels. 	2	2	4

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Use of grinders and cutters (general)	As above	Failure to wear the correct personal protective equipment (PPE) may lead to eye, hand and body injuries	3	4	12	<ul style="list-style-type: none"> All users to be issued with the correct type of PPE. PPE to be worn when using equipment. PPE to be regularly maintained and changed when no longer fit for purpose. 	3	2	6
Use of grinders and cutters (general)	As above	Cutting through power cables may lead to electric shock causing burns or loss of life	3	5	15	<ul style="list-style-type: none"> All grinders/cutters to operate at 110 volts to reduce danger from electric shock. Users to ensure that leads and flexes are kept away from the grinding/cutting area. 	2	2	4
Use of grinders and cutters (general)	As above	Failure to secure work piece may lead to it breaking loose and causing an accident	4	3	12	<ul style="list-style-type: none"> Users to ensure that work pieces are held securely. Vices, clamps etc. to be provided for this purpose. No work to commence until the user is satisfied that the work piece is secure. 	3	2	6

PROBABILITY (P) = Remote (0) – Unlikely (1) – Possible (2) - Probable (3) – Very Likely (4) – Certain (5)

SEVERITY (S) = No injury (0) – Minor Injury (1) – First-aid Injury (2) – 3 Day Injury (3) – Major Injury (4) – Fatality/Disability (5)

DEGREE OF RISK (DR) = PROBABILITY x SEVERITY

* Risk identified in the absence of any control measures in place.

** Residual risk is the level of risk that remains after suitable and sufficient risk control measures are introduced

Signature Sheet

Signed originator	Keith Ambrose	Job title	Director
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1	01/02/2025	Original document drafted	Keith Ambrose
2			
3			
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Risk Assessment Matrix – Multiply the scores Probability (P) x Severity (S) to determine Degree of Risk (DR)

			Probability					
			(0)	(1)	(2)	(3)	(4)	(5)
			Remote	Unlikely	Possible	Probable	Very Likely	Certain
			Severity	No Injury	(0)	0	0	0
Minor Injury	(1)	0		1	2	3	4	5
First-Aid Injury	(2)	0		2	4	6	8	10
3 Day injury	(3)	0		3	6	9	12	15
Major injury	(4)	0		4	8	12	16	20
Fatality/Disability	(5)	0		5	10	15	20	25

Low	0 - 2	Monitor	Tolerable risk. No additional controls required. Employees made aware of safe/correct systems of work.
Medium	3- 9	Improvement	Action may be required to further reduce the risk to acceptable level. Periodic review of process or activity.
High	10 +	Immediate Action	Unacceptable risk. Stop activity immediately. Inform next level of management and refer to Safety Co-ordinator. Possible cessation/withdrawal of process or activity